

HOPE IRON & METAL SALVAGE

Hope, Arkansas

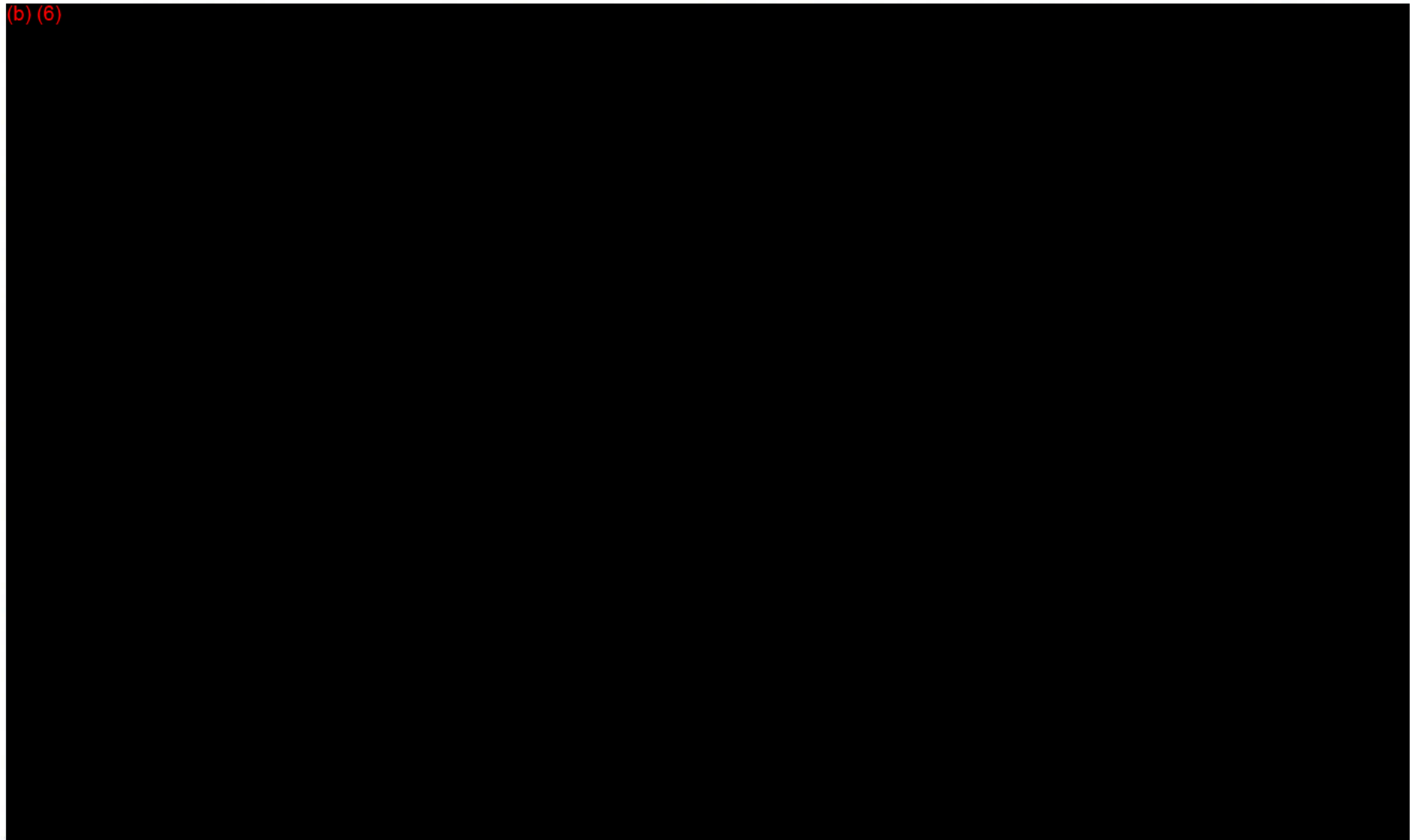
Operated from 1962-1999 (Salvage yard/PCB storage and draining)

2012 ADEQ conducts Site Investigation (Heavy Metals, PCBs and PAHs)

2015 ADEQ Conducts an Expanded Site Investigation (Heavy Metals, PCBs and PAHs)

2016 EPA Conducts a Removal Assessment (Heavy Metals, PCBs and PAHS)

(b) (6)



Hope Iron and Metal
Site Map-Aerial View
Figure 2-2

Legend:

0 50 100 200 Feet

- Site Boundary
- Former POL Boundary
- Drainage



Site Map-Aerial View	
Location:	Hope, Arkansas
County:	Hempstead
Date:	August 2015

Hope Iron and Metal-EPA Removal Assessment

- 98 samples over a 2 acre lot
- Samples were from 6 inches to 4 feet below ground surface (bgs)
- Heavy Metals (Pb), PAHs and PCB's found above Regional Screening Levels (cancer risk)
- EPA Toxicologist and ATSDR reviewed data and determined that there was an exposure risk to the contaminants in the soil(primarily Pb and PCBs)
- Exposure is from ingestion, inhalation and dermal contact
- A family with a child, live on property and the site is surrounded on 3 sides by residential homes
- Cleanup levels created (all metals and PAHs stop at 2 ft bgs, PCBs chase below 2 ft bgs)

Hope Iron & Metal –EPA Removal Assessment

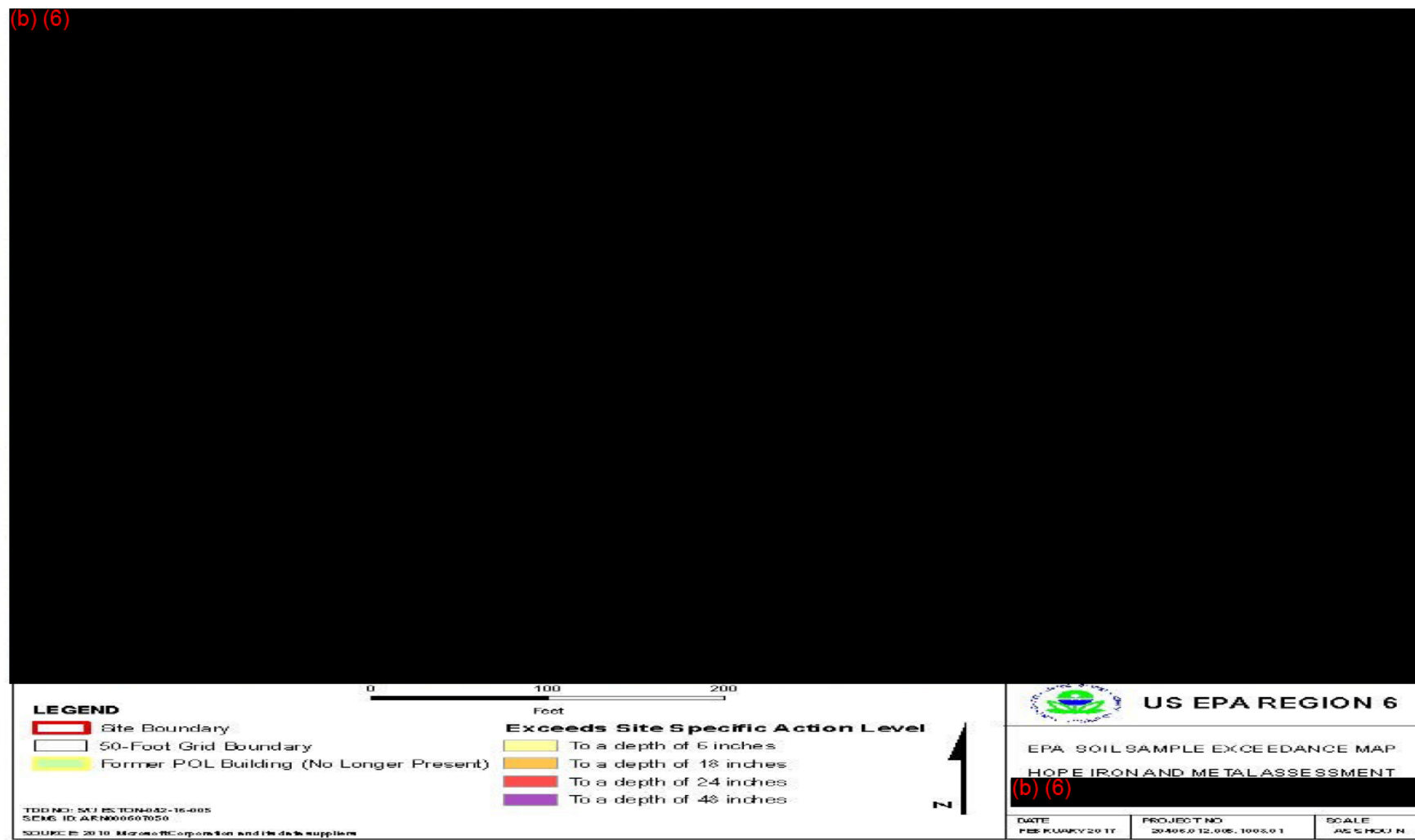
Geo-probe for composite samples



Composite sample packaging



Exceedance Map per grid (Cleanup Plan)



Enforcement

- PRPs Identified
 - Four Power Companies that operate in area
 - Three property owners
- Information Request Letters ready for Power Companies
 - Hope Water & Light (local, to City area only)
 - Southwest Electric Power Company (SWEPCO), (rural, county coverage)
 - Southwest Arkansas Electric Cooperative Corporation (rural, county coverage)
 - Entergy (most of Arkansas, regional coverage)
- Next Steps
 - Permission to send out 104e Information Request Letters
 - Permission to send out General Notice Letters

Clean-up options vs Costs

OPTION A:

Soil removal estimates are roughly 8,254 cubic yards assuming we chase the PCBs(TSCA-high occupancy residential standard) to <1ppm for totals(6 grids to 4-6ft bgs)

Extramural Cost=\$1,965,069 (could be more if PCBs are deeper than 6 ft bgs)

OPTION B:

Soil removal estimates are roughly 6,947 cubic yards assuming we stop at 2 ft bgs for all contaminants, place deed restrictions in place

Extramural Cost=\$1,503,540

POLICY DECISION?

POTENTIAL DELAYS FOR SITE WORK-Closest Non-Haz Landfill needs 2 months to build cell for capacity of non-haz lead soil, no closer landfill is available.